

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 August 2005 (04.08.2005)

PCT

(10) International Publication Number
WO 2005/071661 A2

(51) International Patent Classification⁷: **G10D 7/02**

(21) International Application Number:
PCT/NL2005/000034

(22) International Filing Date: 18 January 2005 (18.01.2005)

(25) Filing Language: Dutch

(26) Publication Language: English

(30) Priority Data:
1025295 21 January 2004 (21.01.2004) NL
1027037 14 September 2004 (14.09.2004) NL

(71) Applicant (for all designated States except US): **FLAUTO FORTE B.V.** [NL/NL]; Flora Bilderbeekstraat 101, NL-8017 DR Zwolle (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **UITERLINDEN, Wilhelmus, Johannes** [NL/NL]; Flora Bilderbeekstraat 101, NL-8017 DR Zwolle (NL).

(74) Agents: **T JONG, Bastiaan, Jacobus** et al.; Arnold & Siedsma, P.O. Box 18558, NL-2502 EN The Hague (NL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FLUTE

(57) **Abstract:** The invention relates to a flute consisting of i) a hollow resonator tube, which is open at both ends and which is provided with finger holes and keys, and ii) a hollow blow tube provided with a mouthpiece, which is open at both ends, wherein said blow tube can be coupled to the resonator tube with its open end located furthest away from the mouthpiece by means of a closing unit that can be fitted in the blow tube, which closing unit is composed at least of a closing element provided with a central passage for placement round a support pin positioned on the longitudinal axis of the blow tube, which support pin is at least partially provided with screw thread that is to mate with a screw cap, which can be mounted round the open end of the blow tube located closest to the mouthpiece, said support pin being provided with a longitudinal bore, which longitudinal bore terminates in an open support pin end that mates with the screw cap. According to the invention, the flute is characterized in that the passage is closed by an end plate mounted on the shaft end that faces towards the mouthpiece, the outer circumference of which end plate is substantially equal to the inner dimension of the blow tube. As a result, the dynamic qualities of the flute according to the invention are improved, since the instrument gains in volume, in particular in the high and low registers, and becomes more flexible to play, whilst furthermore the homogeneity of the sound in the high and low registers is significantly improved.



WO 2005/071661 A2